**Things to Know, Understand and Do**

**For Chapter 9: Stoichiometry**

*By the end of Chapter 9, you should*

|  |
| --- |
| **Know how to…** |
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| Write the molar ratio between two substances in a chemical reaction |
| Perform the following types of stoichiometric calculations:  mol-mol, mass-mol, mol-mass, mass-mass |
| Determine the limiting reactant or excess reactant in a problem |
| Calculate theoretical yield, actual yield, and percent yield of a reaction |
| Answer questions on material from chapters 7 and 8 |

|  |
| --- |
| **understand…** |
| The importance/significance of the molar ratio to stoichiometric calculations |
| How to perform any stoichiometric calculation |
| When a problem is a limiting reactant problem, and how to identify a limiting reactant |
| The difference between percent, actual, and theoretical yield |
| How all of the topics from chapters 7, 8, and 9 can be linked together in all-encompassing type questions |

**IF YOU DO NOT KNOW IONS YOU WILL FAIL THE TEST ON THIS CHAPTER**

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